
 National Transportation Safety Board PRELIMINARY REPORT AVIATION		NTSB ID: DCA09IA055		Most Critical Injury: None	
		Occurrence Date: 05/21/2009		Investigated By: NTSB	
		Occurrence Type: Incident			
Location/Time					
Nearest City/Place Miami		State FL	Zip Code	Local Time 2147	Time Zone EDT
Aircraft Information					
Registration Number PT-MVB		Aircraft Manufacturer AIRBUS		Model/Series Number A330/200	
Type of Aircraft: Airplane			Amateur Built Aircraft? No		
Injury Summary:	Fatal	Serious	Minor	None	176
Revenue Sightseeing Flight: No			Air Medical Transport Flight: No		
Narrative					
<p>Brief narrative statement of facts, conditions and circumstances pertinent to the accident/incident:</p> <p>On May 21, 2009, at 2147 EDT, an Airbus A330-200, Brazilian registration PT-MVB, operated by TAM Airlines as flight 8091 from Miami International Airport, Florida, to Sao Paulo Guarulhos International Airport, Brazil, experienced a loss of primary speed and altitude information while in cruise flight at FL370. Initial reports indicated that the flight crew noted an abrupt drop in outside air temperature and observed St. Elmo's Fire, followed by the loss of the Air Data Reference System, disconnections of autopilot and autothrust, and loss of primary airspeed and altitude. The flight crew continued using backup instruments, and after approximately 5 minutes, primary data was restored. The airplane remained in alternate flight law and displayed a rudder travel limit flag. The crew determined they could not restore normal law and continued the flight under the appropriate procedures. The flight landed at Sao Paulo with no further incident and there were no injuries or damage.</p> <p>With the concurrence of the Brazilian Centro de Investigação e Prevenção de Acidentes Aeronáuticos (CENIPA), the NTSB initiated an incident investigation into this event.</p> <p>Updated on Jun 26 2009 12:58PM</p>					
<p>PRELIMINARY INFORMATION - SUBJECT TO CHANGE</p> <p style="text-align: right;">Page 1</p>					

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Other Aircraft Involved																																	
Registration Number		Aircraft Manufacturer		Model/Series Number																													
Accident Information																																	
Aircraft Damage: None			Accident Occurred During:																														
<table border="1"> <thead> <tr> <th>Crew</th> <th>Name</th> <th>Certificate No.</th> <th>Injury</th> </tr> </thead> <tbody> <tr> <td>Pilot</td> <td></td> <td></td> <td></td> </tr> <tr> <td>2</td> <td></td> <td></td> <td></td> </tr> <tr> <td>3</td> <td></td> <td></td> <td></td> </tr> <tr> <td>4</td> <td></td> <td></td> <td></td> </tr> <tr> <td>5</td> <td></td> <td></td> <td></td> </tr> <tr> <td>6</td> <td></td> <td></td> <td></td> </tr> </tbody> </table>						Crew	Name	Certificate No.	Injury	Pilot				2				3				4				5				6			
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Operator Information																																	
Name TAM		Operator Designator Code		Doing Business As																													
Street Address		City		State	Zip Code																												
-Type of Certificate(s) Held:																																	
Air Carrier Operating Certificate(s): Foreign Operation																																	
Operating Certificate:			Operator Certificate:																														
Regulation Flight Conducted Under: Part 129: Foreign																																	
Type of Flight Operations Conducted: Scheduled; International; Passenger Only																																	
Flight Plan/Itinerary																																	
Type of Flight Plan Filed: IFR																																	
Last Departure Point		State	Airport Identifier																														
Same as Accident/Incident Location			KMIA																														
Destination		State	Airport Identifier																														
Sao Paulo			SGRU																														
Weather Information																																	
Investigator's Source: Unknown		Facility ID:		Observation Time (Local):																													
Sky/Lowest Cloud Condition:			Ft. AGL																														
Lowest Ceiling:		Ft. AGL	Visibility:	SM	Altimeter: "Hg																												
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National Transportation Safety Board
PRELIMINARY REPORT
AVIATION

NTSB ID: DCA09IA055

Occurrence Date: 05/21/2009

Occurrence Type: Incident

Weather Information

(Continued from page 2)

Temperature:

°C

Dew Point:

°C

Wind Direction:

Wind Speed:

Kts.

Gusts:

Kts.

Weather Conditions at Accident Site: Visual Conditions

Administration Data

Notification From

CENIPA

Date

FAA District Office/Coordinator

Investigator-In-Charge (IIC)

William R. English